

WHAT IS CLAIMED IS:

1. A loading mechanism in a video cassette deck comprising a door for opening and closing a cassette insertion port provided in the front of a deck body, a cassette receiving portion movable between an initial location facing said cassette insertion port and a running location in which a video cassette tape is made to run, and a cassette moving mechanism for moving said cassette receiving portion between said initial location and said running location, said cassette moving mechanism including a pair of wall portions provided on both the left and right sides of said cassette receiving portion, a slide arm attached on one of said wall portions horizontally slidably, a driving portion for making said slide arm slide, a cassette driving gear which is rotatably supported on said one wall portion on which said slide arm is attached and which is connected to said cassette receiving portion through a groove portion formed in said one wall portion, and a door arm for transmitting the motion of said slide arm to said door; said door being opened before said cassette receiving portion is moved when said cassette receiving portion is moved to said initial location; characterized in that

when it is defined so that said slide arm is in a running position in the case where said cassette receiving portion is in said running location, said slide arm is in its initial position in the case where said cassette receiving portion is in said initial location, and said slide arm is in its eject ready position in the case where said cassette receiving portion is in said running location and said door is opened,

said slide arm and said cassette driving gear have a gear mechanism for transmitting the motion of each of said slide arm and said cassette driving

gear to each other, and said gear mechanism starts to move said cassette receiving portion from said running location toward said initial location after said slide arm has moved from said running position to said eject ready position.

2. A loading mechanism in a video cassette deck according to Claim 1, characterized in that said slide arm is provided with a cam for moving said door arm between an open position to open said door and a close position to close said door, so that said cam moves said door arm from said close position to said open position while said slide arm slides from said running position to said eject ready position.

3. A loading mechanism in a video cassette deck according to Claim 1 or 2, characterized in that said gear mechanism is constituted by a rack portion formed in said slide arm, and a pinion portion formed in said cassette driving gear so as to gear with said rack portion, and said rack portion and said pinion portion do not gear with each other when said slide arm is in a position between said running position and said eject ready position.

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